

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

Please amend the claims as follows:

Claims 1-13. (Canceled)

14. (New) A method of embedding identification information in a main body of data of a digital record medium by using an error correction technology comprising;
error correction encoding to digital data including digital contents to correct the error occurring in the transmission line with which the main body of data is obtained;
embedding the identification information to a part of said main body of data to which an error correction encoding is performed; and
storing said main body of data including said embedded identification information into said digital record medium.

15. (New) The method according to claim 14, wherein said identification information is embedded to a data part stored in an area where control information of contents data in a record area is recorded.

16. (New) The method according to claim 14, further comprising recording information to specify an embedded position of said identification information.

17. (New) The method according to claim 14, wherein
said identification information has a plurality of partial identification information;
an information to acquire an embedded position of said identification information
has an initial value information, an embedded position information indicating an
embedded position of said plurality of partial identification information, and a plurality of
position information to acquire a position of said embedded position information;
a first position information to acquire the position of said embedded position
information is recorded at a position obtained by converting said initial value information
by a predetermined function or a position shown by a position obtained as a result of the
conversion; and
a second or later position information is recorded in another position of the
position obtained by converting a storage information of a position of a result when an
information stored at another position of a side where said position information is not
stored is further converted by said predetermined function in any positions obtained by
a conversion result of said predetermined function, or a storage information at a position
indicated to a position of a result of conversion one by one.

18. (New) The method according to claim 14, wherein
said identification information has a plurality of partial identification information;
an information to acquire an embedded position of said identification information
has an initial value information, an embedded position information indicating an

embedded position of said plurality of partial identification information, and a plurality of position information to acquire a position of said embedded position information;

an initial position information is recorded at a position obtained by converting said initial value information by a predetermined function or a position shown by a position obtained as a result of conversion by said predetermined conversion formula; and

a position information after that is recorded at a position based on a data recorded by a predetermined distance at a position indicated by a position information obtained immediately before or a distance obtained by a predetermined conversion formula, or a position obtained by converting a position information obtained immediately before by a predetermined conversion formula.

19. (New) The method according to claim 14, wherein an embedded position of said identification information is given by a table form.

20. (New) The method according to claim 14, wherein said presentation target data is scrambled or encoded to make said identification information a key before an error correction encoding is performed.

21. (New) A method of extracting an identification information from a main body of data of a digital record medium in which includes embedded identification information by using an error correction technology comprising;

reading said main body of data in which includes embedded identification information from said digital record medium;

extracting said identification information from the main body by an error correction decoding; and

error correction decoding the main body of data after extracting said identification information in which original digital data is obtained.

22. (New) A method of embedding identification information in a main body of data of a digital record medium by using an error correction technology comprising;

encrypting digital data including digital contents by using said identification information;

error correction encoding to said encrypted digital data including digital contents to correct the error occurring in the transmission line with which the main body of data is obtained;

embedding the identification information to a part of said main body of data to which an error correction encoding is performed; and

storing said main body of data including said embedded identification information into said digital record medium.

23. (New) The record medium according to claim 22, wherein said identification information is embedded to a data part stored in an area where control information of contents data in a record area is recorded.